

Technology in Schools

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East Greene Information

- ☰ Rural School District with a present enrollment of 434 students in K-12.
- ☰ Enrollment is declining.
- ☰ Located 45 miles NW of Des Moines.
- ☰ High poverty area.
- ☰ Bus 40 students per day to Jefferson-Scranton for classes, the bus runs every period of the day. Jefferson buses twice a day students to East Greene for classes.
- ☰ County-wide school calendar.



Technology and Student Achievement

 District Level

 Middle School and High School Level

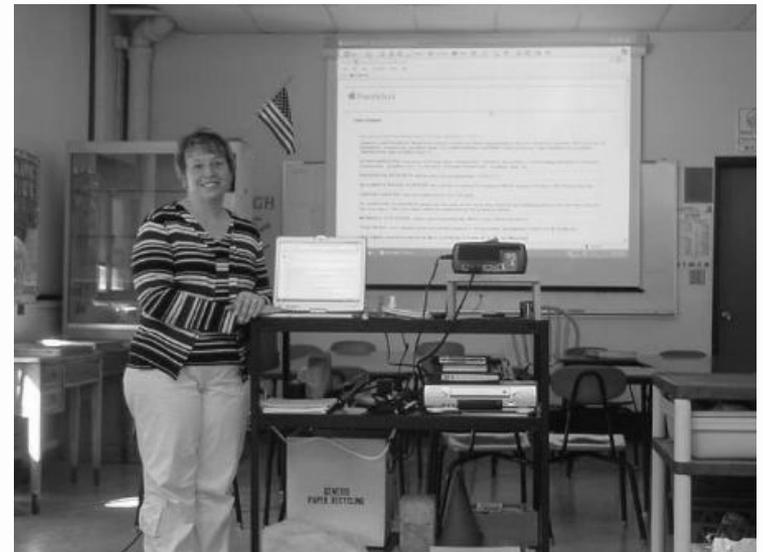
 Elementary Level

 Overall Information

District Level

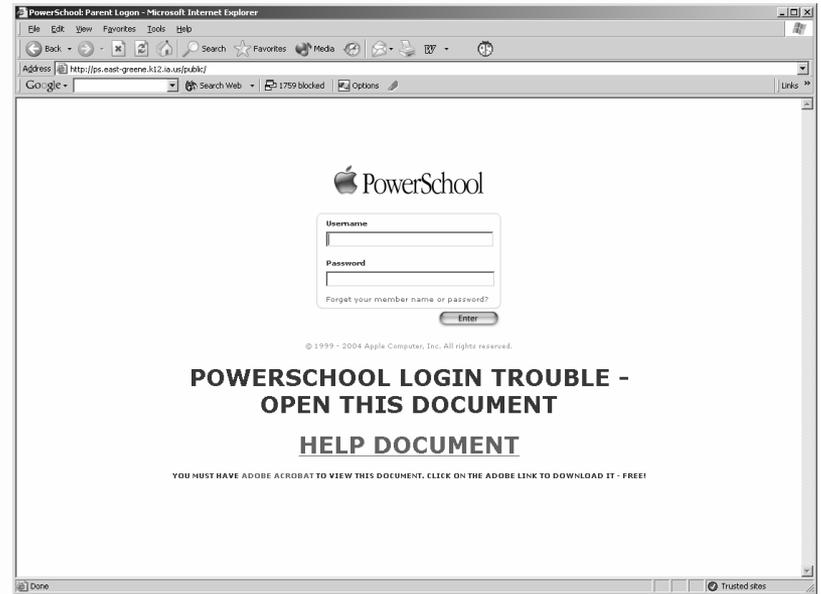
Tablet PC's and Projectors

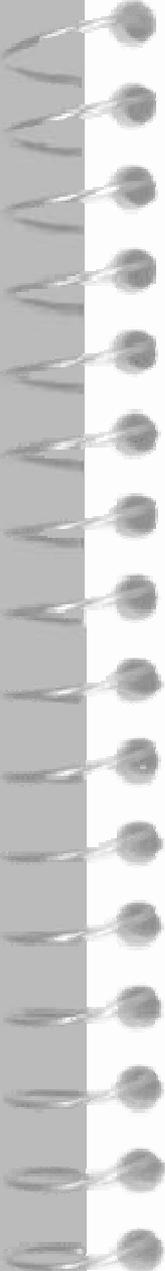
- Installed in grades 3-12
- Maximize the use of technology in each curriculum area.
- Problem: Not feasible to install a computer lab in each classroom, mobile labs still affect only a limited number of students.
- To help keep the cost down, we are leasing the tablets and projectors for 3 years, with \$1 lease end buyout. We are using part of the proceeds from our 1% sales tax.



Web Based Student Information System.

- We have been using Powerschool (www.powerschool.com) since 1999.
- We average 80 hits per day to our site. We have had 8188 hits from parents and students since 8/20/2004.
- 15% of our parents receive progress reports via email.
- 75% of our 3rd-6th grade students have had someone check their grades.





Staff Development

- We not only are focussing on reading, math and science but starting second semester we will be focusing on how technology can increase student achievement in each of these area's.
- We have 25% of our staff development days set aside for technology training.
- We encourage our staff to find software they would like to try. We have a very technology savy staff.

Yearly Observations

- One of the yearly observations made by our administrators must be over the integration of technology into the teachers curriculum.

Middle School and High School

Computer Labs

- We have installed multiple labs in each building and try to schedule it so that one lab is open every period for teacher's and classes to use.

Computer App credit replaces the Typing Credit.

- We have moved our office training to the 7th and 8th grade levels instead of 9th grade.



- Allow 9-12th grade students the choice of courses to meet the Computer App credit.

Some examples are:

Computer Aided Drafting,
Intro To Web Design,
Automated Accounting, etc.



**Offer the Cisco
Networking Academy at
our school.**

(<http://cisco.netacad.net>)

- Students from Jefferson-Scranton, Ogden, Paton-Churdan, and Panorama can come to our school and take this program.



- We have blocked our schedule so that the first two periods and the last two periods of the day are used for this class. This is to make sure that the students can get back to their school for their next scheduled class without being late.

Anti-Plagiarism Website (www.turnitin.com)

- We are in the process of training the staff on how to use this website.
- Before any research paper is handed in it must be submitted to this site. Students can submit as many times as they like.

Sample Originality Report - Microsoft Internet Explorer

Turnitin.com Originality Report (Side-by-Side View)

http://dev1:5002/or_sidebyside_master.asp?r=51.3190663988333&svr=...

Turnitin Originality Report version: # 1 (04-04-03)

author: Ed
title: IS
submitted: 04
paper ID: 1123054
similarity index: 75% (matching text)

View different versions of each report, based on custom analysis

Print version shows list of links with paper text

Report text: hop onto their net offices, and other completely unprotected. and banks, law networks that were completely unprotected.

Similarity index indicates percentage of a paper for which we found matching sources

Source: Home > Bro... less > Story

Sniffing, war-chalking and more: A wireless vocabulary evolves

By BOB BREWIN
SEPTEMBER 17, 2002

War-driving

Wireless LAN war drivers routinely cruise their immediate areas in equipped with laptops loaded with a wireless LAN card, an external high-gain antenna and a GPS receiver. The wireless LAN card and GPS receiver feed signals into freeware, such as NetStumbler, which detects APs and their identifiers along with their GPS-derived locations. NetStumbler also automatically detects whether or not built-in Wi-Fi Wired Equivalent Protocol (WEP) is whether or not built-in Wi-Fi Wired Equivalent Protocol (WEP) is

Color-coded text indicates matches to a given source. The left window contains the text of the submitted paper; the right window contains the source content

Link opens a new window directly to the source; info distinguishes between current and expired Web pages, student database matches, and commercial database content

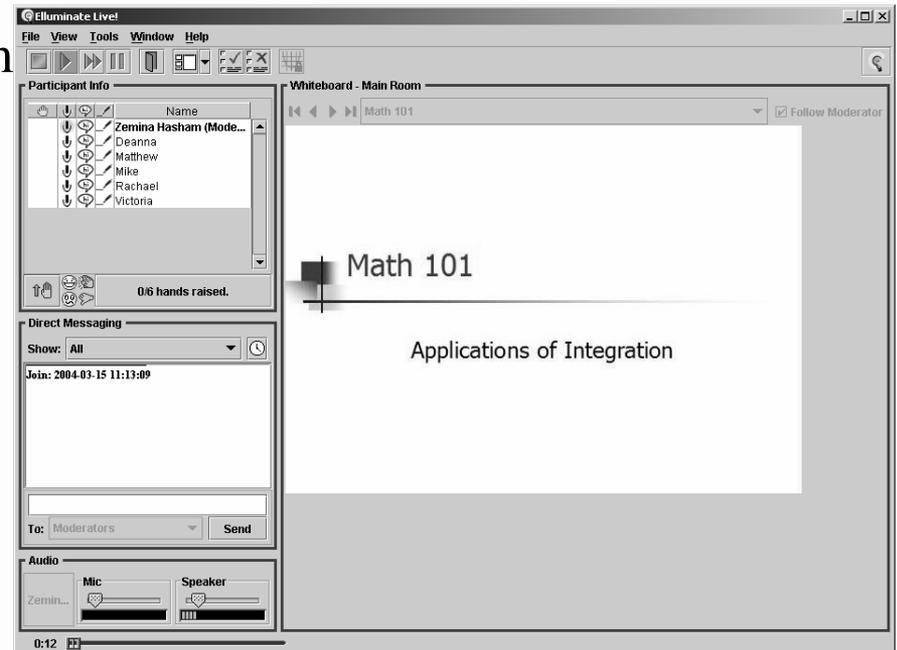
Exclude and re-analyze selected sources to customize your report

Use the tabs to navigate through all matching sources

Display a menu

VClass Instruction from Iowa Central Community College.(<http://des.iccc.cc.ia.us:8080>)

- Distance Education program that allows a Iowa Central instructor to teach our students via the Internet.
- Students can ask questions, hear the lecture, hear questions from other students and even see the instructors whiteboard for notes.
- Classes can be recorded so if a student is gone they can go into the archives and listen to the lecture.

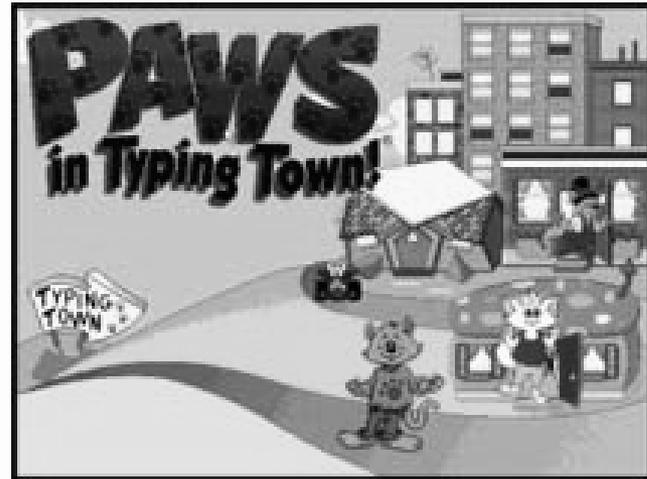


Elementary Program

Teachers in grades 3-6 have access to TabletPC and Infocus projector.

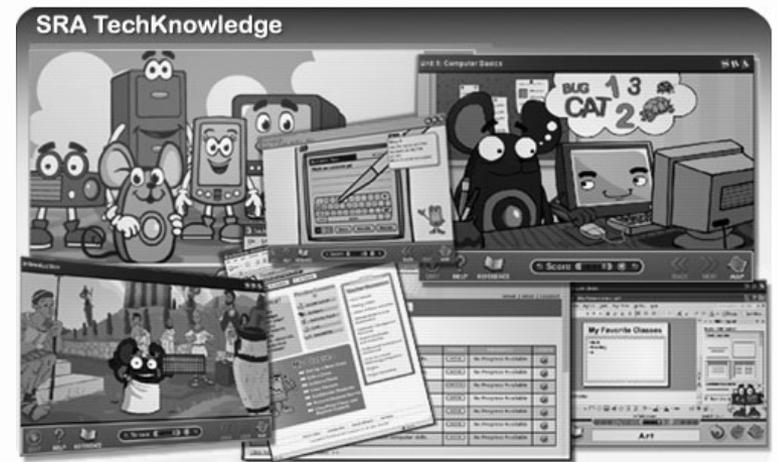
Typing Program - 3rd and 4th Grade

- Use PAWS in Typing Town Software.
- Students meet daily for 9 weeks worth of training.
- Self paced course and it teaches the students the typing skills they need.



Technology Instruction Curriculum

- We are using SRA's TechKnowledge for our technology instruction in grades 2-6.
- Follows the ISTE Technology Standards for grades 2-6
- Self paced program that now is allowing our staff to know what technology skills the students will have at each grade level.
- Students meet 2 times per week for this training.
- Tests are built in so we can track student progress from grades 2-6.



Technology Integration

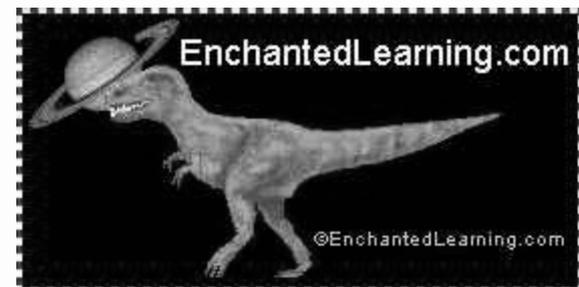
- We have lesson plans that help teachers at each grade level integrate technology into their curriculum. These lesson plans are provided by SRA and match up with our technology curriculum.

New Computer Lab

- We are installing a new computer lab. Teachers can sign up for a time to bring their class in to work on assignments.

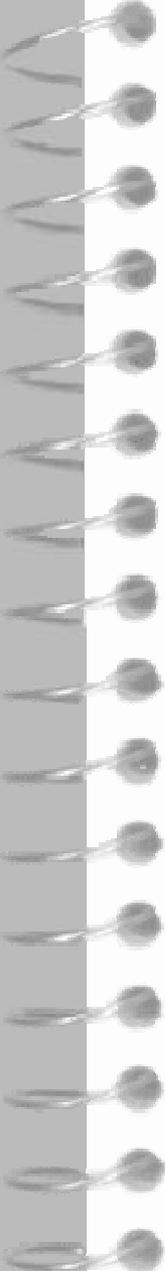
Online Databases

- The AEA purchases online databases (EBSCO, AP Photo Archive, United Streaming), they also help with the training.
- District purchased databases.



Overall Information

- ☞ Schools must be willing and have the freedom to take chances on software and technology integration. The state should encourage through small grants technology integration and then publish the results from these grants.
- ☞ The best parental communication tool is a web-based student information system.
- ☞ Schools must prioritize their needs and work out a purchase schedule in the district. Part of this process can be accomplished through the use of a technology plan.



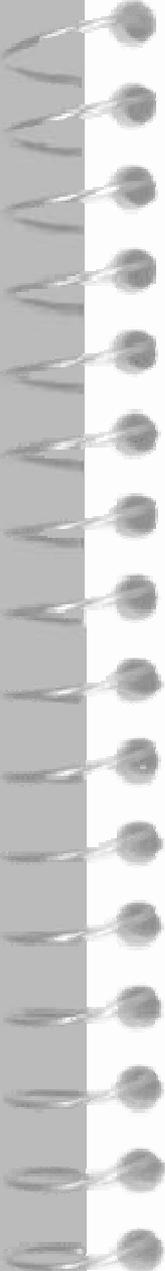
☰ Schools need to work more closely with the community colleges to get more advanced courses into the classroom.

☰ Schools must find ways to use the ICN more. School districts must be willing to share staff via the ICN.

☰ Schools need to be willing to allow staff collaboration time to work with technology and technology integration.

☰ **Technology Budget**

- More schools must be willing to use the Internet for technology purchases.
- Schools need to be willing to buy computers/technology that are off-lease (saved us this year approximately \$26,000).
- Schools must use technology more to communicate with parents and the community.
- Schools must have a website that is updated in a timely manner.

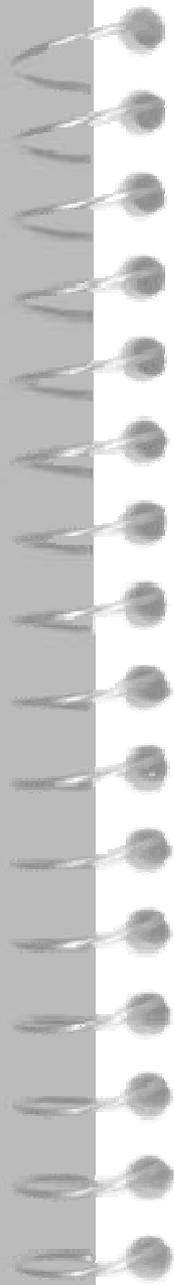

 Schools must have technology leadership from the AEA's.

- AEA's should have network people who can help schools setup servers and be the leaders on software testing.
- AEA's should also have people who are experts at integrating technology into the curriculum and can do training on software.
- AEA's must take a more active role in trying to get some standardization in software and technology curriculum.



Thank You!

- ☞ Past Technology Funds
- ☞ Passing of the SILO.
- ☞ Using technology to collect data.
- ☞ Outstanding leadership from the Department of Education!



Questions